

**CERTIFICATE OF ANALYSIS: 202503200228**

Material Grade	30CrMnSiNi2A Powder	Product No.	F0030-W-0075
Production Date	2025-02-24	Order No.	USF-250213
Lot No.	20250224-02	Quantity	250 kg
Process	Water Atomizing	Powder Size	200 mesh

**Chemical Compositions / wt%**

Element	Specification	Tested
Cr	0.9-1.2	0.97
Ni	1.4-1.8	1.52
Si	0.9-1.2	0.97
Mn	1.0-1.3	1.04
C	0.27-0.38	0.37
O	/	0.529
P	0.02 max.	0.014
S	0.02 max.	0.012
Fe	Bal	Bal

Standards: GB/T 14265, GB/T 23942

**Powder Property**

Particle Size (Sieve analysis)(%)	+200 mesh	200/325 mesh	325/500 mesh	-500 mesh
		2	43	35
	Specification			Tested
Flowability (s/50g)	<40			28.75
Apparent density (g/cm <sup>3</sup> )	2.8-3.2			2.98

Test condition: Temperature 25° C, Humidity 40%

Judgement: Pass



Check: Y. Tang

Approval: L. Zhang

Date: 2025-03-20